

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant : Seishi MURAKAM, et al. **Confirmation No.: 5022**  
U.S. Serial No. : 10/584,642  
Filed : June 26, 2006  
Examiner : Mandy C. Louie  
Group Art Unit : 1715  
For : FORMATION OF TITANIUM NITRIDE FILM

**RESPONSE TO ELECTION OF SPECIES REQUIREMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

A response to the Office Action mailed December 3, 2010 is due by January 3, 2011. The Action required an election of species from three (3) groups. Applicants previously elected the method claims of Group I. Applicants hereby make the following election relative to the identified groups of species:

- 1) R1 and R2; Applicants elect species "b"-  $R1 < R2$ -, which corresponds to claim 3;
- 2) F1; Applicants elect species "a" -  $< 15$ -, which corresponds to claim 8; and
- 3) F1 and F2; Applicants elect species "a"-  $\text{NH}_3$  to  $\text{TiCl}_4$  ratio where  $2.5 < F1 < 15$ ;  $0.3 < F2 < 10$ -, which corresponds to claims 20-22.

The elections are without traverse.

Claims 1, 6-7, 11-14, 19, and 23-24 were deemed by the Examiner to be generic.

A prompt action on the merits is respectfully requested.

Application No.: 10/584,642  
Response dated January 3, 2011  
Reply to Office Action of December 3, 2010

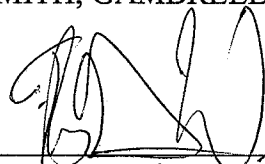
Atty. Docket No.: 033082 M 332

If any fees under 37 C. F. R. §§ 1.16 or 1.17 are due in connection with this filing, please charge the fees to **Deposit Account No. 02-4300, Attorney Docket No. 033082 M 332.**

Respectfully submitted,

SMITH, GAMBRELL & RUSSELL, LLP

By:

  
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Dated: January 3, 2011

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